HOME HEALTH AGENCY PATIENT-RELATED CHARACTERISTICS REPORTS:
TECHNICAL DOCUMENTATION OF MEASURES

OASIS-D
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Department of Health and Human Services
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OASIS-D

INTRODUCTION

This document provides definitions of measures that appear in the Home Health Agency Patient-Related Characteristics Reports, including detailed specifications for calculating these measures based on OASIS-D assessment data.

Quality Episodes of Care for OASIS Quality Measures

A quality episode of care is the unit of analysis for OASIS-based measures. This section provides the steps to construct a home health quality episode of care from OASIS assessments. The following fields are needed from each assessment to construct home health quality episodes of care:

- M0100_ASSMT_REASON: Reason for assessment

- FAC_INT_ID: Facility internal ID

- RES_INT_ID: Resident internal ID

- STATE_CD: State abbreviation

- EFCTV_DT: Effective date of the assessment[1]

- ASSESSMENT_ID: Unique identifier for each assessment

OASIS assessments are transmitted to the National Submissions Database residing on a secure database server maintained by CMS. Episodes of care are constructed by matching up assessments for each individual served by a home health agency, sorting those assessments by effective date, then pairing up assessments that mark the beginning and end of an episode of care. Episodes of care for which either the beginning or end assessment is missing, or for which assessments are out of sequence, are not included.

When working with assessment records from the National Submissions Database, the unique home health agency ID is a combination of the two position STATE_CD and FAC_INT_ID, and the unique patient ID is a combination of STATE_CD and RES_INT_ID.

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[1] Effective date depends on the reason for assessment:
- If M0100_ASSMT_REASON = 01, effective date = M0030_START_CARE_DT.
- If M0100_ASSMT_REASON = 03, effective date = M0032_ROC_DATE.
- If M0100_ASSMT_REASON = 04 or 05, effective date = M0090_INFO_COMPLETET_DT.
- If M0100_ASSMT_REASON = 06, 07, 08, or 09, effective date = M0906_DC_TRAN_DTH_DT.

The process of building episode-level records is as follows:

1. Keep only assessments related to start of care (SOC), resumption of care (ROC) after an inpatient facility stay, or end of care (EOC) discharge from home health care, including discharge due to death, or admission to inpatient facility for 24 hours or more:

   a. SOC: M0100_ASSMT_REASON = 01

   b. ROC: M0100_ASSMT_REASON = 03

   c. EOC: M0100_ASSMT_REASON = 06, 07, 08, or 09

2. Sort assessments by FAC_INT_ID, RES_INT_ID, STATE_CD in descending order based on EFCTV_DT (i.e., latest to earliest assessment).

3. For each set of assessments having the same combination of FAC_INT_ID, RES_INT_ID, STATE_CD, step through the assessments to find the latest assessment with M0100_ASSMT_REASON = 06, 07, 08, or 09.

4. If an assessment with M0100_ASSMT_REASON = 06, 07, 08, or 09 is found before an assessment with M0100_ASSMT_REASON = 01 or 03 is found, discard the episode being built and start over with step #3.

5. If no assessment with M0100_ASSMT_REASON = 01 or 03 is found before the assessments for this patient are exhausted, discard the episode being built.

6. When an assessment with M0100_ASSMT_REASON = 01 or 03 is found, the episode is complete.

7. Create an episode of care record with the following attributes:

   - FAC_INT_ID
   - RES_INT_ID
   - STATE_CD
   - ASSESSMENT_ID_1: Assessment ID of the SOC or ROC assessment
   - ASSESSMENT_ID_2: Assessment ID of the EOC assessment
   - EFCTV_DT_1: Effective date of the SOC or ROC assessment
   - EFCTV_DT_2: Effective date of the EOC assessment

Assumptions and Conventions

The following transformations result in measures with numeric values. For process and outcome measures, "1" indicates that the outcome event occurred or the process was

followed, while "0" indicates the outcome event did not occur or the process was not followed. For the patient-related characteristics reports, three types of measures exist. For patient attribute measures, "1" indicates the presence of an attribute and "0" indicates its absence. For ordinal measures, zero indicates no measurable impairment or absence of a medical problem and higher numeric values indicate greater impairment of higher severity of a medical problem. For count measures, the numeric value of the measure indicates a count (e.g., of pressure ulcers). When the instructions indicate that a measure is to be set to "MISSING", the case is excluded from analysis for that particular measure, either because the measure is not applicable or because a data item on which that measure is based has been indicated as "unknown".

OASIS data items are referred to in this documentation using field names specified in OASIS Data Submission Specifications published by CMS. "[1]" is appended to the field name if the value is taken from the beginning assessment (Start or Resumption of Care), and "[2]" is appended if the value is to be taken from the ending assessment for an episode (Discharge, Transfer, or Death). Starting with OASIS D, dash '-' may be used as a response for certain items.

Measures Included in Reports

Throughout the remainder of this document, measures are referred to as shown in the following table:

Patient-Related Characteristics Measure

Domain and Descriptive Measure Name	Short Measure Name
PATIENT HISTORY	
Demographics	
Age (years)	AGE
Gender: Female (%)	GENDER
Race: Black (%)	RACE_BLACK
Race: White (%)	RACE_WHITE
Race: Other (%)	RACE_OTHER
Payment Source	
Any Medicare (%)	PAY_MCARE
Any Medicaid (%)	PAY_MCAID
Any HMO (%)	PAY_HMO
Medicare HMO (%)	PAY_MCHMO
Any Other (%)	PAY_OTHER
Episode Start	
Episode Timing : Early (%)	TIME_EARLY
Episode Timing: Later (%)	TIME_LATER

Patient-Related Characteristics Measure

Domain and Descriptive Measure Name	Short Measure Name
Episode Timing: Unknown (%)	TIME_UK
Inpatient Discharge	
Long-term nursing facility (%)	INPT_LTC
Skilled nursing facility (%)	INPT_SNF
Short-stay acute hospital (%)	INPT_STHOSP
Long-term care hospital (%)	INPT_LTHOSP
Inpatient rehab hospital/unit (%)	INPT_REHAB
Psychiatric hospital/unit (%)	INPT_PSYCH
Therapies	
IV/infusion therapy (%)	IVTHER_IV
Parenteral nutrition (%)	IVTHER_PAREN
Enteral nutrition (%)	IVTHER_ENTERAL
GENERAL HEALTH STATUS	
Hospitalization Risks	
Recent decline mental/emot/behav (%)	RISK_RCNT_DCLN
Multiple hospitalizations (%)	RISK_MLTPL_HOSPZTN
History of falls (%)	RISK_HSTRY_FALLS
5 or more medications (%)	RISK_5PLUS_MDCTN
Frailty factors (%)	RISK_FRAILTY
Other (%)	RISK_OTHR
None (%)	RISK_H_NONE
Risk Factors	
Low Body Mass Index (%)	RISK_LOWBMI
LIVING ARRANGEMENT / ASSISTANCE	
Current Situation	
Lives alone (%)	LIV_ALONE
Lives with others (%)	LIV_OTHERS
Lives in congregate situation (%)	LIV_CONGEGRATE
Availability of Assistance	
Around the clock (%)	AVAIL_RTC
Regular daytime (%)	AVAIL_DAY
Regular nighttime (%)	AVAIL_NIGHT
Occasional (%)	AVAIL_SOME
None (%)	AVAIL_NONE
CARE MANAGEMENT	
Supervision / Safety	
None needed (%)	SPRVSN_NONE_NEEDED

Patient-Related Characteristics Measure

Domain and Descriptive Measure Name	Short Measure Name
Caregiver currently provides (%)	SPRVSN_CG_PROVIDES
Caregiver training needed (%)	SPRVSN_NEED_TRAINING
Uncertain/Unlikely to be provided (%)	SPRVSN_CG_UNCERTAIN
Needed, but not available (%)	SPRVSN_CG_NONE

SENSORY STATUS

Vision impairment (0-2)	VISION
Pain interfering with activity (0-4)	PAIN

INTEGUMENTARY STATUS

Pressure Ulcers/Injuries

Pressure ulcer/injury present (%)	PRES_ULC
Stage II pressure ulcer count (#)	PRES_ULC_STG2
Stage III pressure ulcer count (#)	PRES_ULC_STG3
Stage IV pressure ulcer count (#)	PRES_ULC_STG4
Unstageable PU: Non-remove. dsg. count (#)	PRES_ULC_NSTG_DRSG
Unstageable PU: Slough/eschar count (#)	PRES_ULC_NSTG_CVRG
Unstageable PU: Deep tissue inj. count (#)	PRES_ULC_NSTG_DEEP_TSUE
Stage I pressure ulcer count (0-4)	PRES_ULC_STG1
Stage most problematic PU/injury (1-4)	PRES_ULC_STG

Stasis Ulcers

Stasis ulcer indicator (%)	STAS_ULCR
Stasis ulcer count (0-4)	STAS_ULCR_CNT
Status most problematic stasis (0-3)	STAS_ULCR_STAT

Surgical Wounds

Surgical wound indicator (%)	SRGCL_WND
Status most problematic surg. (0-3)	SRGCL_WND_STAT

PHYSIOLOGICAL STATUS

Respiratory

Dyspnea (0-4)	DYSPNEA

Elimination Status

Urinary tract infection (%)	UTI
Urinary incontinence/catheter (%)	INCONT_CATH
Bowel incontinence (0-5)	BOWEL_INCONT
Bowel ostomy (%)	OSTOMY

NEURO / EMOTIONAL / BEHAVIORAL

Cognition

Cognitive deficit (0-4)	COG_FUNC
Confusion frequency (0-4)	CONFUSION

Patient-Related Characteristics Measure

Domain and Descriptive Measure Name	Short Measure Name
Emotional	
Anxiety level (0-3)	ANXIETY
Depression indicator (%)	DEPRESSION
PHQ-2: Interest / Pleasure (0-3)	PHQ2_INTEREST
PHQ-2: Down / Depressed (0-3)	PHQ2_DOWN
Behavioral	
Memory deficit (%)	MEM_DEFICIT
Impaired decision-making (%)	IMPR_DECISN
Verbal disruption (%)	VERBAL_DISRUPT
Physical aggression (%)	AGGRESSION
Disruptive/inappropriate behavior (%)	INAPPRO_BHV
Delusional, hallucinatory, etc. (%)	DELUSIONS
None demonstrated (%)	NOBHV
Frequency of behavior problems (0-5)	BEH_PROB_FREQ
ACTIVITIES OF DAILY LIVING	
SOC / ROC Status	
Grooming (0-3)	GROOMING
Dress upper body (0-3)	DRESS_UPPER
Dress lower body (0-3)	DRESS_LOWER
Bathing (0-6)	BATHING
Toilet Transfer (0-4)	TOILET_TRANSFER
Toileting Hygiene (0-3)	TOILET_HYGIENE
Bed Transferring (0-5)	TRANSFERRING
Ambulation (0-6)	AMBULATION
Eating (0-5)	FEEDING
FUNCTIONAL ABILITIES	
Prior Functioning: Everyday Activities	
Prior Self Care (1-3)	PF_SELF_CARE
Prior Indoor Mobility (Ambulation) (1-3)	PF_INDR_MOB
Prior Stairs (1-3)	PF_STAIRS
Prior Functional Cognition (1-3)	PF_COGNITION
Prior Device Use	
Prior Manual wheelchair	PF_MNL_WHLCHR
Prior Motorized wheelchair/scooter	PF_MTR_WHLCHR
Prior Mechanical lift	PF_MECH_LIFT
Prior Walker	PF_WALKER
Prior Orthotics/Prosthetics	PF_ORTHO_PRSTH
Prior Device: None	PF_DEVICE_NONE

Patient-Related Characteristics Measure Domain and Descriptive Measure Name   **Short Measure Name**

Self Care

Domain and Descriptive Measure Name	Short Measure Name
Eating (1-6)	SC_EATING
Eating (Not attempted) (%)	SC_EATING_NO_ATTEMPT
Eating (Dash)%	SC_EATING
Oral Hygiene (1-6)	SC_ORAL_HYGN
Oral Hygiene (Not attempted) (%)	SC_ORAL_HYGN_NO_ATTEMPT
Oral Hygiene (Dash) (%)	SC_ORAL_HYGN_DASH
Toileting Hygiene (1-6)	SC_TOILET_HYGN
Toileting Hygiene (Not attempted) (%)	SC_TOILET_HYGN_NO_ATTEMPT
Toileting Hygiene (Dash) (%)	SC_TOILET_HYGN_DASH
Shower/bathe self (1-6)	SC_BATHE_SELF
Shower/bathe self (Not attempted) (%)	SC_BATHE_SELF_NO_ATTEMPT
Shower/bathe self (Dash) (%)	SC_BATHE_SELF_DASH
Upper body dressing (1-6)	SC_UPR_BODY_DRESS
Upper body dressing (Not attempted) (%)	SC_UPR_BODY_DRESS_NO_ATTEMPT
Upper body dressing (Dash) (%)	SC_UPR_BODY_DRESS_DASH
Lower body dressing (1-6)	SC_LWR_BODY_DRESS
Lower body dressing (Not attempted) (%)	SC_LWR_BODY_DRESS_NO_ATTEMPT
Lower body dressing (Dash) (%)	SC_LWR_BODY_DRESS_DASH
Putting on/taking off footwear (1-6)	SC_ONOFF_FTWEAR
Putting on/taking off footwear (Not attempted) (%)	SC_ONOFF_FTWEAR_NO_ATTEMPT
Putting on/taking off footwear (Dash) (%)	SC_ONOFF_FTWEAR_DASH

Mobility

Domain and Descriptive Measure Name	Short Measure Name
Roll left and right (1-6)	MOB_ROLL_LR
Roll left and right (Not attempted) (%)	MOB_ROLL_LR_NO_ATTEMPT
Roll left and right (Dash) (%)	MOB_ROLL_LR_DASH
Sit to lying (1-6)	MOB_SIT_TO_LIE
Sit to lying (Not attempted) (%)	MOB_SIT_TO_LIE_NO_ATTEMPT
Sit to lying (Dash) (%)	MOB_SIT_TO_LIE_DASH
Lying to sitting on side of bed (1-6)	MOB_LIE_TO_SIT
Lying to sitting on side of bed (Not attempted) (%)	MOB_LIE_TO_SIT_NO_ATTEMPT
Lying to sitting on side of bed (Dash) (%)	MOB_LIE_TO_SIT_DASH
Sit to stand (1-6)	MOB_SIT_TO_STAND
Sit to stand (Not attempted) (%)	MOB_SIT_TO_STAND_NO_ATTEMPT
Sit to stand (Dash) (%)	MOB_SIT_TO_STAND_DASH
Chair/bed-to chair transfer (1-6)	MOB_TRNSFR_CHAIR

Patient-Related Characteristics Measure Domain and Descriptive Measure Name

Patient-Related Characteristics Measure Domain and Descriptive Measure Name	Short Measure Name
Chair/bed-to chair transfer (Not attempted) (%)	MOB_TRNSFR_CHAIR_NO_ATTEMPT
Chair/bed-to chair transfer (Dash) (%)	MOB_TRNSFR_CHAIR_DASH
Toilet transfer (1-6)	MOB_TRNSFR_TOILET
Toilet transfer (Not attempted) (%)	MOB_TRNSFR_TOILET_NO_ATTEMPT
Toilet transfer (Dash) (%)	MOB_TRNSFR_TOILET_DASH
Car transfer (1-6)	MOB_TRNSFR_CAR
Car transfer (Not attempted) (%)	MOB_TRNSFR_CAR_NO_ATTEMPT
Car transfer (Dash) (%)	MOB_TRNSFR_CAR_DASH
Walk 10 feet (1-6)	MOB_WALK_10FT
Walk 10 feet (Not attempted) (%)	MOB_WALK_10FT_NO_ATTEMPT
Walk 10 feet (Dash) (%)	MOB_WALK_10FT_DASH
Walk 50 feet w 2 turns (1-6)	MOB_WALK_50FT_2TRNS
Walk 50 feet w 2 turns (Not attempted) (%)	MOB_WALK_50FT_2TRNS_NO_ATTEMPT
Walk 50 feet w 2 turns (Dash) (%)	MOB_WALK_50FT_2TRNS_D
Walk 150 feet (1-6)	MOB_WALK_150FT
Walk 150 feet (Not attempted) (%)	MOB_WALK_150FT_NO_ATTEMPT
Walk 150 feet (Dash) (%)	MOB_WALK_150FT_DASH
Walk 10 feet uneven surfaces (1-6)	MOB_WALK_10FT_UNVN
Walk 10 feet uneven surfaces(Not attempted) (%)	MOB_WALK_10FT_UNVN_NO_ATTEMPT
Walk 10 feet uneven surfaces (Dash) (%)	MOB_WALK_10FT_UNVN_DASH
1 step (curb) (1-6)	MOB_STEP_CURB
1 step (curb) (Not attempted) (%)	MOB_STEP_CURB_NO_ATTEMPT
1 step (curb) (Dash) (%)	MOB_STEP_CURB_DASH
4 steps (1-6)	MOB_STEPS_4
4 steps (Not attempted) (%)	MOB_STEPS_4_NO_ATTEMPT
4 steps (Dash) (%)	MOB_STEPS_4_DASH
12 steps (1-6)	MOB_STEPS_12
12 steps (Not attempted) (%)	MOB_STEPS_12_NO_ATTEMPT
12 steps (Dash) (%)	MOB_STEPS_12_DASH
Picking up object (1-6)	MOB_PICKUP_OBJ
Picking up object (Not attempted) (%)	MOB_PICKUP_OBJ_NO_ATTEMPT
Picking up object (Dash) (%)	MOB_PICKUP_OBJ_DASH
Wheelchair or scooter (%)	MOB_USE_WHLCHR_OR_SCOOTER
Wheel 50 feet w 2 turns (1-6)	MOB_WHLCHR_50FT_2TRNS

Patient-Related Characteristics Measure Domain and Descriptive Measure Name	**Short Measure Name**
Wheel 50 feet w 2 turns (Not attempted) (%)	MOB_WHLCHR_50FT_2TRNS_NO_ATTE MPT
Wheel 50 feet w 2 turns (Dash) (%)	MOB_WHLCHR_50FT_2TRNS_DASH
Wheel 150 feet (1-6)	MOB_WHLCHR_150FT
Wheel 150 feet w 2 turns (Not attempted) (%)	MOB_WHLCHR_150FT_2TRNS_NO_ATT EMPT
Wheel 150 feet w 2 turns (Dash) (%)	MOB_WHLCHR_150FT_2TRNS_DASH
HEALTH CONDITIONS	
Falls Risk	
At risk for falls (%)	FALL_RISK
Medication Status	
Drug regimen: problem found (%)	MED_PROBLEM
Mgmt oral medications at SOC/ROC (0-3)	ORAL_MEDS
Mgmt oral medications at SOC/ROC: NA (%)	ORAL_MED_NA
Mgmt injected meds at SOC/ROC (0-3)	INJECT_MEDS
Mgmt injected meds at SOC/ROC: NA (%)	INJECT_MED_NA
THERAPY / PLAN OF CARE	
Therapy Visits	
# Therapy visits indicated (#)	THERAPY_NEED
PATIENT DIAGNOSTIC INFORMATION	
Chronic Conditions	
Dependence in personal care (%)	CHRONIC_PERS_CARE
Impaired ambulation/mobility (%)	CHRONIC_MOBILITY
Dependence in med. admin. (%)	CHRONIC_MED_ADMIN
Chronic pain (%)	CHRONIC_PAIN
Cognitive/mental/behavioral (%)	CHRONIC_MENT_BEHAV
Chronic pt. with caregiver (%)	CHRONIC_ANY_W_CG
Active Diagnoses	
Diabetes Reported	DIABETES_REPORTED
PAD/PVD Reported	PAD_PVD_REPORTED
Home Care Diagnoses	
Infections/parasitic diseases (%)	HC_DX_INFECT
Neoplasms (%)	HC_DX_NEOPLASM
Endocrine/nutrit./metabolic (%)	HC_DX_ENDOCRINE
Blood diseases (%)	HC_DX_BLOOD
Mental diseases (%)	HC_DX_MENTAL
Nervous system diseases (%)	HC_DX_NERVOUS

Patient-Related Characteristics Measure

Domain and Descriptive Measure Name	Short Measure Name
Diseases of the eye (%)	HC_DX_EYE
Diseases of the ear (%)	HC_DX_EAR
Circulatory system diseases (%)	HC_DX_CIRCULATORY
Respiratory system diseases (%)	HC_DX_RESPIRATORY
Digestive system diseases (%)	HC_DX_DIGESTIVE
Skin/subcutaneous diseases (%)	HC_DX_SKIN
Musculoskeletal sys. diseases (%)	HC_DX_MUSCL_SKEL
Genitourinary sys. diseases (%)	HC_DX_GEN_URINARY
Symptoms, signs, abnormal findings (%)	HC_DX_INT_ABNORM
Injury, poisoning, other external causes (%)	HC_DX_EXT_INJURY
External causes of morbidity (%)	HC_DX_EXT_MORB
Influences of Health Status (%)	HC_DX_HLTH_FACTORS

PATIENT DISCHARGE INFORMATION

Falls

Any falls since SOC/ROC (%)	ANY_FALLS
Falls with no injury (%)	FALLS_NOINJ
Falls with injury (except major) (%)	FALLS_W_INJ_NOMJR
Falls with major injury (%)	FALLS_W_INJ_MJR

Length of Stay

LOS until discharge (in days)	HC_LOS
LOS from 1 to 30 days (%)	HC_LOS_1_30
LOS from 31 to 60 days (%)	HC_LOS_31_60
LOS from 61 to 120 days (%)	HC_LOS_61_120
LOS from 121 to 180 days (%)	HC_LOS_121_180
LOS more than 180 days (%)	HC_LOS_GT_180

Reason for Emergent Care

Improper medications (%)	EC_REASON_MEDS
Hypo/Hyperglycemia (%)	EC_REASON_HI_LO_BG
Other (%)	EC_REASON_OTHER
No emergent care (%)	NO_EMERGENT_CARE

PATIENT CHARACTERISTICS MEASURES TRANSFORMATION PSEUDO-CODE

Note: VALUE(FieldName) indicates conversion of a text field to a numeric value. DATEVALUE(FieldName) indicates conversion of a text field to a numeric value representing a date.

Patient History

Demographics

Age (years)
IF M0100_ASSMT_REASON[1] = 01
THEN
    IF MONTH(M0030_START_CARE_DT[1]) > MONTH(M0066_PAT_BIRTH_DT[1])
        OR (MONTH(M0030_START_CARE_DT[1]) =
        MONTH(M0066_PAT_BIRTH_DT[1])
        AND DAY(M0030_START_CARE_DT[1]) >=
        DAY(M0066_PAT_BIRTH_DT[1]))
    THEN
        AGE = YEAR(M0030_START_CARE_DT[1]) –
            YEAR(M0066_PAT_BIRTH_DT[1])
    ELSE
        AGE = YEAR(M0030_START_CARE_DT[1]) –
            YEAR(M0066_PAT_BIRTH_DT[1])-1
ELSE
    IF MONTH(M0032_ROC_DT[1]) > MONTH(M0066_PAT_BIRTH_DT[1])
        OR (MONTH(M0032_ROC_DT[1]) = MONTH(M0066_PAT_BIRTH_DT[1])
        AND DAY(M0032_ROC_DT[1]) >= DAY(M0066_PAT_BIRTH_DT[1]))
    THEN
        AGE = YEAR(M0032_ROC_DT[1]) – YEAR(M0066_PAT_BIRTH_DT[1])
    ELSE
        AGE = YEAR(M0032_ROC_DT[1]) – YEAR(M0066_PAT_BIRTH_DT[1])-1
END IF

Gender: Female (%)
IF M0069_PAT_GENDER[1] = 2
THEN
    GENDER = 1
ELSE
   GENDER = 0
END IF

Race: Black (%)
IF M0140_ETHNIC_BLACK[1] = 1
THEN
    RACE_BLACK = 1
ELSE
    RACE_BLACK = 0
END IF

Race: White (%)
IF M0140_ETHNIC_WHITE[1] = 1
THEN
    RACE_WHITE = 1
ELSE
    RACE_WHITE = 0
END IF

Race: Other (%)
IF M0140_ETHNIC_AI_AN[1] = 1 **OR** M0140_ETHNIC_ASIAN[1] = 1 **OR**
    M0140_ETHNIC_HISP[1] = 1 **OR** M0140_ETHNIC_NH_PI[1] = 1
THEN
    RACE_OTHER = 1
ELSE
    RACE_OTHER = 0
END IF

__Payment Source__

Any Medicare (%)
IF M0150_CPAY_MCARE_FFS[1] = 1 **OR** M0150_CPAY_MCARE_HMO[1] = 1
THEN
    PAY_MCARE = 1
ELSE
    PAY_MCARE = 0
END IF

Any Medicaid (%)
IF M0150_CPAY_MCAID_FFS[1] = 1 **OR** M0150_CPAY_MCAID_HMO[1] = 1
THEN
    PAY_MCAID = 1
ELSE
    PAY_MCAID = 0

END IF

Any HMO (%)
IF M0150_CPAY_MCARE_HMO[1] = 1 **OR** M0150_CPAY_MCAID_HMO[1] = 1 **OR**
    M0150_CPAY_PRIV_HMO[1] = 1
THEN
    PAY_HMO = 1
ELSE
    PAY_HMO = 0
END IF

Medicare HMO (%)
IF M0150_CPAY_MCARE_HMO[1] = 1
THEN
    PAY_MCHMO = 1
ELSE
    PAY_MCHMO = 0
END IF

Any Other (%)
IF M0150_CPAY_WRKCOMP[1] = 1 **OR** M0150_CPAY_TITLEPGMS[1] = 1 **OR**
    M0150_CPAY_OTH_GOVT[1] = 1 **OR** M0150_CPAY_PRIV_INS[1] = 1 **OR**
    M0150_CPAY_SELFPAY[1] = 1 **OR** M0150_CPAY_OTHER[1] = 1 **OR**
    M0150_CPAY_NONE[1] = 1
THEN PAY_OTHER = 1
ELSE
    PAY_OTHER = 0
END IF

Episode Start

Episode Timing: Early (%)
IF M0110_EPISODE_TIMING[1] = NA
THEN
    TIME_EARLY = MISSING
ELSEIF M0110_EPISODE_TIMING[1] = 01
THEN
    TIME_EARLY = 1
ELSE
    TIME_EARLY = 0

END IF

Episode Timing: Later (%)
IF M0110_EPISODE_TIMING[1] = NA
THEN
    TIME_LATER = MISSING
ELSEIF M0110_EPISODE_TIMING[1] = 02
THEN
    TIME_LATER = 1
ELSE
    TIME_LATER = 0
END IF

Episode Timing: Unknown (%)
IF M0110_EPISODE_TIMING[1] = NA
THEN
    TIME_UK = MISSING
ELSEIF M0110_EPISODE_TIMING[1] = UK
THEN
    TIME_UK = 1
ELSE
    TIME_UK = 0
END IF

Inpatient Discharge

Inpatient Discharge:
IF M1000_DC_NONE_14_DA[1] = 00
THEN
    INPAT_DC = 1
ELSE
    INPAT_DC = 0
END IF

Long-term nursing facility (%)
IF M1000_DC_LTC_14_DA[1] = 1
    THEN
    INPT_LTC = 1
ELSE
    INPT_LTC = 0
END IF

Skilled nursing facility (%)
IF M1000_DC_SNF_14_DA[1] = 1
THEN
      INPT_SNF = 1
ELSE
      INPT_SNF = 0
END IF

Short-stay acute hospital (%)
IF M1000_DC_IPPS_14_DA[1] = 1
THEN
      INPT_STHOSP = 1
ELSE IF M1000_DC_IPPS_14_DA[1] = 0
THEN
      INPT_STHOSP = 0
END IF

Long-term care hospital (%)
IF M1000_DC_LTCH_14_DA[1] = 1
THEN
      INPT_LTHOSP = 1
ELSE
      INPT_LTHOSP = 0
END IF

Inpatient rehab hospital/unit (%)
IF M1000_DC_IRF_14_DA[1] = 1
THEN
      INPT_REHAB = 1
ELSE
      INPT_REHAB = 0
END IF

Psychiatric hospital/unit (%)
IF M1000_DC_PSYCH_14_DA[1] = 1
THEN
      INPT_PSYCH = 1
ELSE
      INPT_PSYCH = 0
END IF

Therapies

IV/infusion therapy (%)
IF M1030_THH_IV_INFUSION = 1
THEN
      IVTHER_IV = 1
ELSE
      IVTHER_IV = 0
END IF

Parenteral nutrition (%)
IF M1030_THH_PAR_NUTRITION = 1
THEN
      IVTHER_PAREN = 1
ELSE
      IVTHER_PAREN = 0
END IF

Enteral nutrition (%)
IF M1030_THH_ENT_NUTRITION = 1
THEN
      IVTHER_ENTERAL = 1
ELSE
      IVTHER_ENTERAL = 0
END IF

General Health Status

Hospitalization Risks

Recent decline mental/emot/behav (%)
IF M1033_HOSP_RISK_MNTL_BHV_DCLN = 1
THEN
      RISK_RCNT_DCLN = 1
ELSE
      RISK_RCNT_DCLN = 0
END IF

Multiple hospitalizations (%)
IF M1033_HOSP_RISK_MLTPL_HOSPZTN = 1

THEN

      RISK_MLTPL_HOSPZTN = 1

ELSE

      RISK_MLTPL_HOSPZTN = 0

END IF

History of falls (%)

IF M1033_HOSP_RISK_HSTRY_FALLS = 1

THEN

      RISK_HSTRY_FALLS = 1

ELSE

      RISK_HSTRY_FALLS = 0

END IF

5 or more medications (%)

IF M1033_HOSP_RISK_5PLUS_MDCTN = 1

THEN

      RISK_5PLUS_MDCTN = 1

ELSE

      RISK_5PLUS_MDCTN = 0

END IF

Frailty factors (%)

IF M1033_HOSP_RISK_WEIGHT_LOSS = 1

    OR M1033_HOSP_RISK_CRNT_EXHSTN = 1

THEN

      RISK_FRAILTY = 1

ELSE

      RISK_FRAILTY = 0

END IF

Other (%)

IF M1033_HOSP_RISK_OTHR_RISK = 1

    OR M1033_HOSP_RISK_MLTPL_ED_VISIT = 1

    OR M1033_HOSP_RISK_COMPLIANCE = 1

THEN

      RISK_OTHR = 1

ELSE

      RISK_OTHR = 0

END IF

None (%)
IF M1033_HOSP_RISK_NONE_ABOVE = 1
THEN
      RISK_H_NONE = 1
ELSE
      RISK_H_NONE = 0
END IF

Risk Factors

Low Body Mass Index (%)
IF M1060_HEIGHT_A[1] ='-' **OR** M1060_HEIGHT_A[1] =MISSING **OR**
     M1060_WEIGHT_B[1] ='-' **OR** M1060_WEIGHT_B[1] =MISSING
THEN
      RISK_LOWBMI= MISSING
ELSE
      BMI=(VALUE(M1060_WEIGHT_B[1])*703)/
(VALUE(M1060_HEIGHT_A[1])*VALUE(M1060_HEIGHT_A[1]))
END IF

IF BMI >= [12.0] **AND** BMI <= [19.0]
      RISK_LOWBMI= 1
ELSE
      RISK_LOWBMI=0
END IF

Living Arrangement / Assistance

Current Situation

Lives alone (%)
IF M1100_PTNT_LVG_STUTN[1] = 01 **OR** M1100_PTNT_LVG_STUTN[1] = 02
    OR M1100_PTNT_LVG_STUTN[1] = 03 **OR** M1100_PTNT_LVG_STUTN[1] = 04
    OR M1100_PTNT_LVG_STUTN[1] = 05
THEN
    LIV_ALONE = 1
ELSE
    LIV_ALONE = 0
END IF

Lives with others (%)
IF M1100_PTNT_LVG_STUTN[1] = 06 **OR** M1100_PTNT_LVG_STUTN[1] = 07
    OR M1100_PTNT_LVG_STUTN[1] = 08 **OR** M1100_PTNT_LVG_STUTN[1] = 09
    OR M1100_PTNT_LVG_STUTN[1] = 10
THEN
    LIV_OTHERS = 1
ELSE
    LIV_OTHERS = 0
END IF

Lives in congregate situation (%)
IF M1100_PTNT_LVG_STUTN[1] = 11 **OR** M1100_PTNT_LVG_STUTN[1] = 12
    -**OR** M1100_PTNT_LVG_STUTN[1] = 13 **OR** M1100_PTNT_LVG_STUTN[1] = 14
    OR M1100_PTNT_LVG_STUTN[1] = 15
THEN
    LIV_CONGEGRATE = 1
ELSE
    LIV_CONGEGRATE = 0
END IF

Availability of Assistance

Around the clock (%)
IF M1100_PTNT_LVG_STUTN[1] = 01**OR** M1100_PTNT_LVG_STUTN[1] = 06
    OR M1100_PTNT_LVG_STUTN[1] = 11
THEN
    AVAIL_RTC = 1
ELSE
    AVAIL_RTC = 0
END IF

Regular daytime (%)
IF M1100_PTNT_LVG_STUTN[1] = 02 **OR** M1100_PTNT_LVG_STUTN[1] = 07
    OR M1100_PTNT_LVG_STUTN[1] = 12
THEN
    AVAIL_DAY = 1
ELSE
    AVAIL_DAY = 0
END IF

<u>Regular nighttime (%)</u>
IF M1100_PTNT_LVG_STUTN[1] = 03 **OR** M1100_PTNT_LVG_STUTN[1] = 08
    OR M1100_PTNT_LVG_STUTN[1] = 13
THEN
      AVAIL_NIGHT = 1
ELSE
      AVAIL_NIGHT = 0
END IF

<u>Occasional (%)</u>
IF M1100_PTNT_LVG_STUTN[1] = 04**OR** M1100_PTNT_LVG_STUTN[1] = 09
    OR M1100_PTNT_LVG_STUTN[1] = 14
THEN
      AVAIL_SOME = 1
ELSE
      AVAIL_SOME = 0
END IF

<u>None (%)</u>
IF M1100_PTNT_LVG_STUTN[1] = 05 **OR** M1100_PTNT_LVG_STUTN[1] = 10
    OR M1100_PTNT_LVG_STUTN[1] = 15
THEN
      AVAIL_NONE = 1
ELSE
      AVAIL_NONE = 0
END IF

Care Management

Supervision / Safety

<u>None needed (%)</u>
IF M2102_CARE_TYPE_SRC_SPRVSN[1] = 00
THEN
      SPRVSN_ASSIST_NONE_NEEDED = 1
ELSE
      SPRVSN_ASSIST_NONE_NEEDED = 0
END IF

Caregiver currently provides (%)
IF M2102_CARE_TYPE_SRC_SPRVSN[1] = 01
THEN
  SPRVSN_CG_PROVIDES = 1
ELSE
  SPRVSN_CG_PROVIDES = 0
END IF

Caregiver training needed (%)
IF M2102_CARE_TYPE_SRC_SPRVSN[1] = 02
THEN
  SPRVSN_NEED_TRAINING = 1
ELSE
  SPRVSN_NEED_TRAINING = 0
END IF

Uncertain/unlikely to be provided (%)
IF M2102_CARE_TYPE_SRC_SPRVSN[1] = 03
THEN
  SPRVSN_CG_UNCERTAIN = 1
ELSE
  SPRVSN_CG_UNCERTAIN = 0
END IF

Needed but not available (%)
IF M2102_CARE_TYPE_SRC_SPRVSN[1] = 04
THEN
  SPRVSN_CG_NONE = 1
ELSE
  SPRVSN_CG_NONE = 0
END IF

Patient Status

Sensory Status

Vision impairment (0-2)
VISION = VALUE(M1200_VISION[1])

Pain interfering with activity (0-4)
PAIN = VALUE(M1242_PAIN_FREQ_ACTVTY_MVMT[1])

Integumentary Status

Pressure Ulcers/Injuries

Pressure ulcer/injury present (%)
PRES_ULC = VALUE(M1306_UNHLD_STG2_PRSR_ULCR[1])

Stage II pressure ulcer count (#)
IF M1306_UNHLD_STG2_PRSR_ULCR[1] = 0
THEN
      PRES_ULC_STG2 = 0
ELSE
      PRES_ULC_STG2 = VALUE(M1311_NBR_PRSULC_STG2_A1[1])
END IF

Stage III pressure ulcer count (#)
IF M1306_UNHLD_STG2_PRSR_ULCR[1] = 0
THEN
      PRES_ULC_STG3 = 0
ELSE
      PRES_ULC_STG3 = VALUE(M1311_NBR_PRSULC_STG3_B1[1])
END IF

Stage IV pressure ulcer count (#)
IF M1306_UNHLD_STG2_PRSR_ULCR[1] = 0
THEN
      PRES_ULC_STG4 = 0
ELSE
      PRES_ULC_STG4 = VALUE(M1311_NBR_PRSULC_STG4_C1[1])
END IF

Unstageable PU: Non-remove. dsg. count (#)
IF M1306_UNHLD_STG2_PRSR_ULCR[1] = 0
THEN
      PRES_ULC_NSTG_DRSG = 0
ELSE
      PRES_ULC_NSTG_DRSG = VALUE(M1311_NSTG_DRSG_D1[1])
END IF

Unstageable PU: Slough/eschar count (#)
IF M1306_UNHLD_STG2_PRSR_ULCR[1] = 0

THEN

      PRES_ULC_NSTG_CVRG = 0

ELSE

      PRES_ULC_NSTG_CVRG = VALUE(M1311_NSTG_CVRG_E1[1])

END IF

Unstageable PU: Deep tissue inj. count (#)

IF M1306_UNHLD_STG2_PRSR_ULCR[1] = 0

THEN

      PRES_ULC_NSTG_DEEP_TSUE = 0

ELSE

      PRES_ULC_NSTG_DEEP_TSUE = VALUE(M1311_NSTG_DEEP_TSUE _F1[1])

END IF

Stage I pressure ulcers count (0-4)

PRES_ULC_STG1 = VALUE(M1322_NBR_PRSULC_STG1[1])

Stage most problematic PU/Injury (0-4)

IF M1324_STG_PRBLM_ULCER[1] = NA

THEN

      PRES_ULC_STG = MISSING

ELSE

      PRES_ULC_STG = VALUE(M1324_STG_PRBLM_ULCER[1])

END IF

Stasis Ulcers

Stasis ulcer indicator (%)

IF M1330_STAS_ULCR_PRSNT[1] = 00

THEN

      STAS_ULCR = 0

ELSE

      STAS_ULCR = 1

END IF

Stasis ulcer count (0-4)

IF M1330_STAS_ULCR_PRSNT[1] = 00 **OR** M1330_STAS_ULCR_PRSNT[1] = 03

THEN

      STAS_ULCR_CNT = 0

ELSE

STAS_ULCR_CNT = VALUE(M1332_NBR_STAS_ULCR[1])
END IF

Status most problematic stasis (0-3)
IF M1330_STAS_ULCR_PRSNT[1] = 00
THEN
    STAS_ULCR_STAT = 0
ELSE
    IF M1330_STAS_ULCR_PRSNT[1] = 03
    THEN
      STAS_ULCR_STAT = **MISSING**
    ELSE
      STAS_ULCR_STAT = VALUE(M1334_STUS_PRBLM_STAS_ULCR[1])
    END IF
END IF

Surgical Wounds

Surgical wound indicator (%)
IF M1340_SRGCL_WND_PRSNT[1] = 00
THEN
    SRGCL_WND = 0
ELSE
    SRGCL_WND = 1
END IF

Status most problematic surg. (0-3)
IF M1340_SRGCL_WND_PRSNT[1] = 00
THEN
    SRGCL_WND_STAT = 0
ELSE
    IF M1340_SRGCL_WND_PRSNT[1] = 02
    THEN
      SRGCL_WND_STAT = **MISSING**
    ELSE
      SRGCL_WND_STAT = VALUE(M1342_STUS_PRBLM_SRGCL_WND[1])
    END IF
END IF

Physiological Status

Respiratory

Dyspnea (0-4)
DYSPNEA = VALUE(M1400_WHEN_DYSPNEIC)

Elimination Status

Urinary tract infection (%)
IF M1600_UTI[1] = UK **OR** M1600_UTI[1] = NA
THEN
      UTI = MISSING
ELSE
      UTI = VALUE(M1600_UTI[1])
END IF

Urinary incontinence/catheter (%)
IF M1610_UR_INCONT[1] = 00
THEN
      INCONT_CATH = 0
ELSE
      INCONT_CATH = 1
END IF

Bowel incontinence (0-5)
IF M1620_BWL_INCONT[1] = UK **OR** M1620_BWL_INCONT[1] = NA
THEN
      BOWEL_INCONT = MISSING
ELSE
      BOWEL_INCONT = VALUE(M1620_BWL_INCONT[1])
END IF

Bowel ostomy (%)
IF M1630_OSTOMY[1] = 00
THEN
      OSTOMY = 0
ELSE
      OSTOMY = 1
END IF

Neuro / Emotional / Behavioral

Cognition

Cognitive deficit (0-4)
COG_FUNC = VALUE(M1700_COG_FUNCTION[1])

Confusion frequency (0-4)
IF M1710_WHEN_CONFUSED[1] = NA
THEN
      CONFUSION = MISSING
ELSE
      CONFUSION = VALUE(M1710_WHEN_CONFUSED[1])
END IF

Emotional

Anxiety level (0-3)
IF M1720_WHEN_ANXIOUS[1] = NA
THEN
      ANXIETY = MISSING
ELSE
      ANXIETY = VALUE(M1720_WHEN_ANXIOUS[1])
END IF

Depression indicator (%)
IF M1730_STDZ_DPRSN_SCRNG[1] = 00
THEN
      DEPRESSION = MISSING
ELSEIF M1730_STDZ_DPRSN_SCRNG[1] = 01
THEN
      IF M1730_PHQ2_LACK_INTRST[1] = NA **AND** M1730_PHQ2_DPRSN[1]) = NA
      THEN
         DEPRESSION = MISSING
      ELSEIF VALUE(M1730_PHQ2_LACK_INTRST[1]) >= 2 **OR**
         VALUE(M1730_PHQ2_DPRSN[1]) >= 2
      THEN
         DEPRESSION = 1
      ELSE
         DEPRESSION = 0
      END IF

ELSEIF M1730_STDZ_DPRSN_SCRNG[1] = 02

THEN

　　DEPRESSION = 1

ELSEIF M1730_STDZ_DPRSN_SCRNG[1] = 03

　　DEPRESSION = 0

END IF

PHQ-2: Interest / Pleasure (0-3)

IF M1730_STDZ_DPRSN_SCRNG[1] = 00 **OR** M1730_STDZ_DPRSN_SCRNG[1] = 02

OR M1730_STDZ_DPRSN_SCRNG[1] = 03

THEN

　　PHQ2_INTEREST = MISSING

ELSEIF M1730_STDZ_DPRSN_SCRNG[1] = 01

THEN

　　IF M1730_PHQ2_LACK_INTRST[1] = NA

　　THEN

　　　　PHQ2_INTEREST = MISSING

　　ELSE

　　　　PHQ2_INTEREST = VALUE(M1730_PHQ2_LACK_INTRST[1])

　　END IF

END IF

PHQ-2: Down / Depressed (0-3)

IF M1730_STDZ_DPRSN_SCRNG[1] = 00 **OR** M1730_STDZ_DPRSN_SCRNG[1] = 02

OR M1730_STDZ_DPRSN_SCRNG[1] = 03

THEN

　　PHQ2_DOWN = MISSING

ELSEIF M1730_STDZ_DPRSN_SCRNG[1] = 01

THEN

　　IF M1730_PHQ2_DPRSN[1] = NA

　　THEN

　　　　PHQ2_DOWN = MISSING

　　ELSE

　　　　PHQ2_DOWN = VALUE(M1730_PHQ2_DPRSN[1])

　　END IF

END IF

Behavioral

Memory deficit (%)

MEM_DEFICIT = VALUE(M1740_BD_MEM_DEFICIT[1])

Impaired decision-making (%)
IMPR_DECISN = VALUE(M1740_BD_IMP_DECISN[1])

Verbal disruption (%)
VERBAL_DISRUPT = VALUE(M1740_BD_VERBAL[1])

Physical aggression (%)
AGGRESSION = VALUE(M1740_BD_PHYSICAL[1])

Disruptive/inappropriate behavior (%)
INAPPRO_BHV = VALUE(M1740_BD_SOC_INAPPRO[1])

Delusional, hallucinatory, etc. (%)
DELUSIONS = VALUE(M1740_BD_DELUSIONS[1])

None demonstrated (%)
NOBHV = VALUE(M1740_BD_NONE[1])

Frequency of behavior problems (0-5)
BEH_PROB_FREQ = VALUE(M1745_BEH_PROB_FREQ[1])

Activities Of Daily Living

SOC/ROC Status

Grooming (0-3)
GROOMING = VALUE(M1800_CRNT_GROOMINGM1800_CRNT_GROOMING[1])

Dress upper body (0-3)
DRESS_UPPER =
VALUE(M1810_CRNT_DRESS_UPPERM1810_CRNT_DRESS_UPPER[1])

Dress lower body (0-3)
DRESS_LOWER =
VALUE(M1820_CRNT_DRESS_LOWERM1820_CRNT_DRESS_LOWER[1])

Bathing (0-6)
BATHING = VALUE(M1830_CRNT_BATHING[1])

Toilet Transfer (0-4)
TOILET_TRANSFER = VALUE(M1840_CRNT_TOILTGM1840_CRNT_TOILTG[1])

Toileting Hygiene (0-3)
TOILET_HYGIENE =
VALUE(M1845_CRNT_TOILTG_HYGNM1845_CRNT_TOILTG_HYGN[1])

Bed Transferring (0-5)
TRANSFERRING = VALUE(M1850_CRNT_TRNSFRNGM1850_CRNT_TRNSFRNG[1])

Ambulation (0-6)
AMBULATION = VALUE(M1860_CUR_AMBLTN[1])

Eating (0-5)
FEEDING = VALUE(M1870_CRNT_FEEDINGM1870_CRNT_FEEDING[1])

Functional Abilities

Prior Functioning: Everyday Activities

Prior Self Care (1-3)
IF GG0100A [1] = 08 **OR** GG0100A [1] = 09 **OR** GG0100A [1] = '-'
THEN
      PF_SELF_CARE = MISSING
ELSE
      PF_SELF_CARE = VALUE(GG0100A [1])
END IF

Prior Indoor Mobility (Ambulation) (1-3)
IF GG0100B[1] = 08 **OR** GG0100B[1] = 09 **OR** GG0100B_ [1] = '-'
THEN
      PF_INDR_MOB = MISSING
ELSE
      PF_INDR_MOB = VALUE(GG0100B [1])
END IF

Prior Stairs (1-3)
IF GG0100C [1] = 08 **OR** GG0100C [1] = 09 **OR** GG0100C [1] = '-'
THEN
      PF_STAIRS = MISSING
ELSE
      PF_ STAIRS = VALUE(GG0100C [1])
END IF

Prior Functional Cognition (1-3)
IF GG0100D[1] = 08 **OR** GG0100D[1] = 09 **OR** GG0100D[1] = '-'
THEN
      PF_ COGNITION = MISSING
ELSE
      PF_COGNITION = VALUE(GG0100D[1])
END IF

Prior Device Use

Prior Manual Wheelchair
IF GG0110A[1] = 01
THEN
      PF_ MNL_WHLCHR = 1
ELSE
      PF_MNL_WHLCHR = 0
END IF

Prior Motorized wheelchair/scooter
IF GG0110B[1] = 01
THEN
      PF_MTR_WHLCHR = 1
ELSE
      PF_MTR_WHLCHR = 0
END IF

Prior Mechanical lift
IF GG0110C[1] = 01
THEN
      PF_ MECH_LIFT = 1
ELSE
      PF_MECH_LIFT = 0
END IF

Prior Walker
IF GG0110D[1] = 01
THEN
      PF_WALKER = 1
ELSE
      PF_WALKER = 0
END IF

Prior Orthotics/Prosthetics
IF GG0110E[1] = 01
THEN
      PF_ORTHO_PRSTH = 1
ELSE
      PF_ORTHO_PRSTH = 0
END IF

Prior Device: None
IF GG0110Z[1] = 01
THEN
      PF_DEVICE_NONE = 1
ELSE
      PF_DEVICE_NONE = 0
END IF

__Self Care__

Eating

Eating (1-6)
IF GG0130A1[1] = 07 **OR** GG0130A1[1] = 09
OR GG0130A1[1] = 10 **OR** GG0130A1[1] = 88
OR GG0130A1[1] = '-'
THEN
      SC_EATING = MISSING
ELSE
      SC_EATING = VALUE(GG0130A1[1])
END IF

Eating (Not Attempted) (%)
IF GG0130A1[1] = 07 **OR** GG0130A1[1] = 09
OR GG0130A1[1] = 10 **OR** GG0130A1[1] = 88
THEN
      SC_EATING_NO_ATTEMPT = 1
ELSE
      SC_EATING_NO_ATTEMPT = 0
END IF

Eating (Dash) (%)

IF GG0130A1[1] = '-'

THEN

SC_EATING_DASH = 1

ELSE

SC_EATING_DASH = 0

END IF

Oral Hygiene

Oral Hygiene (1-6)

IF GG0130B1[1] = 07 **OR** GG0130B1[1] = 09

OR GG0130B1[1] = 10 **OR** GG0130B1[1] = 88

OR GG0130B1[1] = '-'

THEN

SC_ORAL_HYGN = MISSING

ELSE

SC_ORAL_HYGN = VALUE(GG0130B1[1])

END IF

Oral Hygiene (Not Attempted) (%)

IF GG0130B1[1] = 07 **OR** GG0130B1[1] = 09

OR GG0130B1[1] = 10 **OR** GG0130B1[1] = 88

THEN

SC_ORAL_HYGN_NO_ATTEMPT = 1

ELSE

SC_ORAL_HYGN_NO_ATTEMPT = 0

END IF

Oral Hygiene (Dash) (%)

IF GG0130B1[1] = '-'

THEN

SC_ORAL_HYGN_DASH = 1

ELSE

SC_ORAL_HYGN_DASH = 0

END IF

Toileting

Toileting Hygiene (1-6)

IF GG0130C1[1] = 07 **OR** GG0130C1[1] = 09

OR GG0130C1[1] = 10 **OR** GG0130C1[1] = 88
OR GG0130C1[1] = '-'
THEN
    SC_TOILET _HYGN = MISSING
ELSE
    SC_TOILET _HYGN = VALUE(GG0130C1[1])
END IF

Toileting Hygiene (Not Attempted) (%)
IF GG0130C1[1] = 07 **OR** GG0130C1[1] = 09
OR GG0130C1[1] = 10 **OR** GG0130C1[1] = 88
THEN
    SC_TOILET_HYGN_NO_ATTEMPT = 1
ELSE
    SC_TOILET_HYGN_NO_ATTEMPT = 0
END IF

Toileting Hygiene (Dash) (%)
IF GG0130C1[1] = '-'
THEN
    SC_TOILET_HYGN_DASH = 1
ELSE
    SC_TOILET_HYGN_DASH = 0
END IF

Shower/Bathe

Shower/bathe self (1-6)
IF GG0130E1[1] = 07 **OR** GG0130E1[1] = 09
OR GG0130E1[1] = 10 **OR** GG0130E1[1] = 88
OR GG0130E1[1] = '-'
THEN
    SC_BATHE_SELF = MISSING
ELSE
    SC_BATHE_SELF = VALUE(GG0130E1[1])
END IF

Shower/bathe self (Not Attempted) (%)
IF GG0130E1[1] = 07 **OR** GG0130E1[1] = 09
OR GG0130E1[1] = 10 **OR** GG0130E1[1] = 88

THEN
      SC_BATHE_SELF_NO_ATTEMPT = 1
ELSE
      SC_BATHE_SELF_NO_ATTEMPT = 0
END IF

Shower/bathe self (Dash) (%)
IF GG0130E1[1] = '-'
THEN
      SC_BATHE_SELF_DASH = 1
ELSE
      SC_BATHE_SELF_DASH = 0
END IF

Dressing

Upper body dressing (1-6)
IF GG0130F1[1] = 07 **OR** GG0130F1[1] = 09 **OR** GG0130F1[1] = 10 **OR** GG0130F1[1] = 88
OR GG0130F1[1] = '-'
THEN
      SC_UPR_BODY_DRESS = MISSING
ELSE
      SC_UPR_BODY_DRESS = VALUE**(**GG0130F1[1])
END IF

Upper body dressing (Not Attempted) (%)
IF GG0130F1[1] = 07 **OR** GG0130F1[1] = 09
OR GG0130F1[1] = 10 **OR** GG0130F1[1] = 88
THEN
      SC_UPR_BODY_DRESS_NO_ATTEMPT = 1
ELSE
      SC_UPR_BODY_DRESS_NO_ATTEMPT = 0
END IF

Upper body dressing (Dash) (%)
IF GG0130F1[1] = '-'
THEN
      SC_UPR_BODY_DRESS_DASH = 1
ELSE
      SC_UPR_BODY_DRESS_DASH = 0

END IF

Lower body dressing (1-6)
IF GG0130G1[1] = 07 **OR** GG0130G1[1] = 09 **OR** GG0130G1[1] = 10 **OR** GG0130G1[1] = 88
OR GG0130G1[1] ='-'
THEN
      SC_LWR_BODY_DRESS = MISSING
ELSE
      *S*C_LWR_BODY_DRESS = VALUE(GG0130G1[1])
END IF

Lower body dressing (Not Attempted) (%)
IF GG0130G1[1] = 07 **OR** GG0130G1[1] = 09
OR GG0130G1[1] = 10 **OR** GG0130G1[1] = 88
THEN
      SC_LWR_BODY_DRESS_NO_ATTEMPT = 1
ELSE
      SC_LWR_BODY_DRESS_NO_ATTEMPT = 0
END IF

Lower body dressing (Dash) (%)
IF GG0130G1[1] = '-'
THEN
      SC_LWR_BODY_DRESS_DASH = 1
ELSE
      SC_LWR_BODY_DRESS_DASH = 0
END IF

Putting on/taking off footwear (1-6)
IF GG0130H1[1] = 07 **OR** GG0130H1[1] = 09
OR GG0130H1[1] = 10 **OR** GG0130H1[1] = 88
OR GG0130H1[1] = '-'
THEN
      SC_ONOFF_FTWEAR = MISSING
ELSE
      SC_ONOFF_FTWEAR = VALUE(GG0130H1[1])
END IF

Putting on/taking off footwear (Not Attempted) (%)
IF GG0130H1[1] = 07 **OR** GG0130H1[1] = 09

OR GG0130H1[1] = 10 **OR** GG0130H1[1] = 88
THEN
SC_ONOFF_FTWEAR_NO_ATTEMPT = 1
ELSE
SC_ONOFF_FTWEAR_NO_ATTEMPT = 0
END IF

Putting on/taking off footwear (Dash) (%)
IF GG0130H1[1] = '-'
THEN
SC_ONOFF_FTWEAR_DASH = 1
ELSE
SC_ONOFF_FTWEAR_DASH = 0
END IF

Mobility

Rolling

Roll left and right (1-6)

IF GG0170A1[1] = 07 **OR** GG0170A1[1] = 09
OR GG0170A1 [1] = 10 **OR** GG0170A1[1] = 88
OR GG0170A1[1] = '-'
THEN
MOB_ROLL_LR = MISSING
ELSE
MOB_ROLL_LR = VALUE(GG0170A1[1])
ENDIF

Roll left and right (Not Attempted) (%)
IF GG0170A1[1] = 07 **OR** GG0170A1[1] = 09
OR GG0170A1[1] = 10 **OR** GG0170A1[1] = 88
THEN
MOB_ROLL_LR_NO_ATTEMPT = 1
ELSE
MOB_ROLL_LR_NO_ATTEMPT = 0
END IF

Roll left and right (Dash) (%)
IF GG0170A1[1] = '-'
THEN

      MOB_ROLL_LR_DASH = 1

ELSE

      MOB_ROLL_LR_DASH = 0

END IF

Sitting

Sit to lying (1-6)
IF GG0170B1[1] = 07 **OR** GG0170B1[1] = 09
OR GG0170B1[1] = 10 **OR** GG0170B1[1] = 88
OR GG0170B1[1] = '-'
THEN

      MOB_SIT_TO_LIE = MISSING

ELSE

      MOB_SIT_TO_LIE = VALUE(GG0170B1[1])

END IF

Sit to lying (Not Attempted) (%)
IF GG0170B1[1] = 07 **OR** GG0170B1[1] = 09
OR GG0170B1[1] = 10 **OR** GG0170B1[1] = 88
THEN

      MOB_SIT_TO_LIE_NO_ATTEMPT = 1

ELSE

      MOB_SIT_TO_LIE_NO_ATTEMPT = 0

END IF

Sit to lying (Dash) (%)
IF GG0170B1[1] = '-'
THEN

      MOB_SIT_TO_LIE_DASH = 1

ELSE

      MOB_SIT_TO_LIE_DASH = 0

END IF

Lying to sitting on side of bed (1-6)
IF GG0170C1[1] = 07 **OR** GG0170C1[1] = 09
OR GG0170C1[1] = 10 **OR** GG0170C1[1] = 88

OR GG0170C1[1] = '-'

THEN

MOB_LIE_TO_SIT = MISSING

ELSE

MOB_LIE_TO_SIT = VALUE(GG0170C1[1])

END IF

Lying to sitting on side of bed (Not Attempted) (%)

IF GG0170C1[1] = 07 **OR** GG0170C1[1] = 09

OR GG0170C1[1] = 10 **OR** GG0170C1[1] = 88

THEN

MOB_LIE_TO_SIT_NO_ATTEMPT = 1

ELSE

MOB_LIE_TO_SIT_NO_ATTEMPT = 0

END IF

Lying to sitting on side of bed (Dash) (%)

IF GG0170C1[1] = '-'

THEN

MOB_LIE_TO_SIT_DASH = 1

ELSE

MOB_LIE_TO_SIT_DASH = 0

END IF

Sit to stand (1-6)

IF GG0170D1[1] = 07

OR GG0170D1[1] = 09

OR GG0170D1[1] = 10

OR GG0170D1[1] = 88

OR GG0170D1[1] = '-'

THEN

MOB_SIT_TO_STAND = MISSING

ELSE

MOB_SIT_TO_STAND = VALUE(GG0170D1 [1])

END IF

Sit to stand (Not Attempted) (%)

IF GG0170D1[1] = 07

OR GG0170D1[1] = 09

OR GG0170D1[1] = 10

OR GG0170D1[1] = 88

THEN

    MOB_SIT_TO_STAND_NO_ATTEMPT = 1

ELSE

    MOB_SIT_TO_STAND_NO_ATTEMPT = 0

END IF

Sit to stand (Dash) (%)

IF GG0170D1[1] = '-'

THEN

    MOB_SIT_TO_STAND_DASH = 1

ELSE

    MOB_SIT_TO_STAND_DASH = 0

END IF

Transferring

Chair/bed-to chair transfer (1-6)

IF GG0170E1[1] = 07

OR GG0170E1[1] = 09

OR GG0170E1[1] = 10

OR GG0170E1[1] = 88

OR GG0170E1[1] = '-'

THEN

    MOB_TRNSFR_CHAIR = MISSING

ELSE

    MOB_ TRNSFR_CHAIR = VALUE(1[1])

END IF

Chair/bed-to chair transfer (Not Attempted) (%)

IF GG0170E1[1] = 07

OR GG0170E1[1] = 09

OR GG0170E1[1] = 10

OR GG0170E1[1] = 88

THEN

    MOB_TRNSFR_CHAIR_NO_ATTEMPT = 1

ELSE

    MOB_TRNSFR_CHAIRMOB__NO_ATTEMPT = 0

END IF

Chair/bed-to chair transfer (Dash) (%)

IF GG0170E1[1] = '-'

THEN

      MOB_TRNSFR_CHAIR_DASH = 1

ELSE

      MOB_TRNSFR_CHAIR_DASH = 0

END IF

Toilet transfer (1-6)

IF GG0170F1[1] = 07

OR GG0170F1[1] = 09

OR GG0170F1[1] = 10

OR GG0170F1[1] = 88

OR GG0170F1[1] = '-'

THEN

      MOB_ TRNSFR_ TOILET = MISSING

ELSE

      MOB_ TRNSFR_TOILET = VALUE(GG0170F1[1])

END IF

Toilet transfer (Not Attempted) (%)

IF GG0170F1[1] = 07

OR GG0170F1[1] = 09

OR GG0170F1[1] = 10

OR GG0170F1[1] = 88

THEN

      MOB_TRNSFR_TOILET_NO_ATTEMPT = 1

ELSE

      MOB_TRNSFR_TOILET_NO_ATTEMPT = 0

END IF

Toilet transfer (Dash) (%)

IF GG0170F1[1] = '-'

THEN

      MOB_TRNSFR_TOILET_DASH = 1

ELSE

      MOB_TRNSFR_TOILET_DASH = 0

END IF

Car transfer (1-6)

IF GG0170G1[1] = 07 **OR** GG0170G1[1] = 09 OR GG0170G1[1] = 10 **OR** GG0170G1[1] = 88 **OR** GG0170G1[1] = '-'

THEN

> MOB_TRNSFR_CAR = MISSING

ELSE

> MOB_TRNSFR_CAR = VALUE(GG0170G1 [1])

END IF

Car transfer (Not Attempted) (%)
IF GG0170G1[1] = 07 **OR** GG0170G1[1] = 09 OR GG0170G1[1] = 10 **OR** GG0170G1[1] =
88 **THEN**

> MOB_TRNSFR_CAR_NO_ATTEMPT = 1

ELSE

> MOB_TRNSFR_CAR_NO_ATTEMPT = 0

END IF

Car transfer (Dash) (%)
IF GG0170G1[1] = '-'
THEN

> MOB_TRNSFR_CAR_DASH = 1

ELSE

> MOB_TRNSFR_CAR_DASH = 0

END IF

Walking

Walk 10 feet (1-6)
IF GG0170I1[1] = 07 **OR** GG0170I1[1] = 09
OR GG0170I1[1] = 10 **OR** GG0170I1[1] = 88
OR GG0170I1[1] = '-'
THEN

> MOB_WALK_10FT = MISSING

ELSE

> MOB_WALK_10FT = VALUE(GG0170I1[1])

END IF

Walk 10 feet (Not Attempted) (%)
IF GG0170I1[1] = 07 **OR** GG0170I1[1] = 09
OR GG0170I1[1] = 10 **OR** GG0170I1[1] = 88
THEN

> MOB_WALK_10FT_NO_ATTEMPT = 1

ELSE

> MOB_WALK_10FT_NO_ATTEMPT = 0

END IF

Walk 10 feet (Dash) (%)
IF GG0170I1[1] = '-'
THEN
    MOB_WALK_10FT_DASH = 1
ELSE
    MOB_WALK_10FT_DASH = 0
END IF

Walk 50 feet w 2 turns (1-6)
IF GG0170J1[1] = 07 **OR** GG0170J1[1] = 09 **OR** GG0170J1[1] = 10 **OR** GG0170J1[1] = 88
OR GG0170J1[1] = '-' **OR** GG0170J1[1] = '^' (SKIP)
THEN
    MOB_WALK_50FT_2TRNS = MISSING
ELSE
    MOB_WALK_50FT_2TRNS = VALUE(GG0170J1[1])
END IF

Walk 50 feet w 2 turns (Not Attempted) (%)
IF GG0170J1 [1] = 07
OR GG0170J1[1] = 09
OR GG0170J1[1] = 10
OR GG0170J1[1] = 88
OR GG0170J1[1] = '^' (SKIP)
THEN
    MOB_WALK_50FT_2TRNS_NO_ATTEMPT = 1
ELSE
    MOB_WALK_50FT_2TRNS_NO_ATTEMPT = 0
END IF

Walk 50 feet w 2 turns (Dash) (%)
IF GG0170J1[1] = '-'
THEN
    MOB_WALK_50FT_2TRNS_DASH = 1
ELSE
    MOB_WALK_50FT_2TRNS_DASH = 0
END IF

<u>Walk 150 feet (1-6)</u>
IF GG0170K1[1] = 07 **OR** GG0170K1[1] = 09 **OR** GG0170K1[1] = 10 **OR** GG0170K1[1] = 88 **OR** GG0170K1[1] = '^' (SKIP)
OR GG0170K1[1] = '-'
THEN
     MOB_WALK_150FT = MISSING
ELSE
     MOB_WALK_150FT = VALUE(GG0170K1 [1])
END IF

<u>Walk 150 feet (Not Attempted) (%)</u>
IF GG0170K1[1] = 07 **OR** GG0170K1[1] = 09 **OR** GG0170K1[1] = 10 **OR** GG0170K1[1] = 88 **OR** GG0170K1[1] = '^' (SKIP)
THEN
     MOB_WALK_150FT_NO_ATTEMPT = 1
ELSE
     MOB_WALK_150FT_NO_ATTEMPT = 0
END IF

<u>Walk 150 feet (Dash) (%)</u>
IF GG0170K1[1] = '-'
THEN
     MOB_WALK_150FT_DASH = 1
ELSE
     MOB_WALK_150FT_DASH = 0
END IF

<u>Walk 10 feet uneven surfaces (1-6)</u>
IF GG0170L1[1] = 07
OR GG0170L1[1] = 09
OR GG0170L1[1] = 10
OR GG0170L1[1] = 88
OR GG0170L1[1] = '-'
OR GG0170L1[1] = '^' (SKIP)
THEN
     MOB_WALK_10FT_UNVN = MISSING
ELSE
     MOB_ WALK_10FT_UNVN = VALUE(GG0170L1 [1])
END IF

Walk 10 feet uneven surfaces (Not Attempted) (%)
IF GG0170L1[1] = 07
OR GG0170L1[1] = 09
OR GG0170L1[1] = 10
OR GG0170L1[1] = 88
OR GG0170L1[1] = '^' (SKIP)
THEN
  MOB_WALK_10FT_UNVN_NO_ATTEMPT = 1
ELSE
  MOB_WALK_10FT_UNVN_NO_ATTEMPT = 0
END IF

Walk 10 feet uneven surfaces (Dash) (%)
IF GG0170L1[1] = '-'
THEN
  MOB_WALK_10FT_UNVN_DASH = 1
ELSE
  MOB_WALK_10FT_UNVN_DASH = 0
END IF

1 step (curb) (1-6)
IF GG0170M1[1] = 07 **OR** GG0170M1[1] = 09
OR GG0170M1[1] = 10 **OR** GG0170M1[1] = 88
OR GG0170M1[1] = '-'
THEN
  MOB_ STEP_CURB = MISSING
ELSE
  MOB_ STEP_CURB = VALUE(GG0170M1 [1])
END IF

1 step (curb) (Not Attempted) (%)
IF GG0170M1[1] = 07 **OR** GG0170M1[1] = 09
OR GG0170M1[1] = 10 **OR** GG0170M1[1] = 88

THEN
  MOB_STEP_CURB_NO_ATTEMPT = 1
ELSE
  MOB_STEP_CURB_NO_ATTEMPT = 0
END IF

<u>1 step (curb) (Dash) (%)</u>
IF GG0170M1[1] = '-'
THEN

MOB_STEP_CURB_DASH = 1

ELSE

MOB_STEP_CURB_DASH = 0

END IF

<u>4 steps (1-6)</u>
IF GG0170N1[1] = 07 **OR** GG0170N1[1] = 09
OR GG0170N1[1] = 10 **OR** GG0170N1[1] = 88
OR GG0170N1[1] = '-'**OR** GG0170N1[1] = '^' (SKIP)
THEN

MOB_STEPS_4 = MISSING

ELSE

MOB_STEPS_4 = VALUE(GG0170N1 [1])

END IF

<u>4 steps (Not Attempted) (%)</u>
IF GG0170N1[1] = 07 **OR** GG0170N1[1] = 09
OR GG0170N1[1] = 10 **OR** GG0170N1[1] = 88 **OR** GG0170N1[1] = '^' (SKIP)
THEN

MOB_STEPS_4_NO_ATTEMPT = 1

ELSE

MOB_STEPS_4_NO_ATTEMPT = 0

END IF

<u>4 steps (Dash) (%)</u>
IF GG0170N1[1] = '-'
THEN

MOB_STEPS_4_DASH = 1

ELSE

MOB_STEPS_4_DASH = 0

END IF

<u>12 steps (1-6)</u>
IF GG0170O1[1] = 07 **OR** GG0170O1[1] = 09
OR GG0170O1[1] = 10 **OR** GG0170O1[1] = 88
OR GG0170O1[1] = '-'**OR** GG0170O1[1] = '^' (SKIP)
THEN

MOB_STEPS_12 = MISSING

ELSE

   MOB_STEPS_12 = VALUE(GG0170O1 [1])

END IF

12 steps (Not Attempted) (%)
IF GG0170O1[1] = 07 **OR** GG0170O1[1] = 09
OR GG0170O1[1] = 10 **OR** GG0170O1[1] = 88 **OR** GG0170O1[1] = '^' (SKIP)
THEN

   MOB_STEPS_12_NO_ATTEMPT = 1

ELSE

   MOB_STEPS_12_NO_ATTEMPT = 0

END IF

12 steps (Dash) (%)
IF GG0170O1[1] = '-'
THEN

   MOB_STEPS_12_DASH = 1

ELSE

   MOB_STEPS_12_DASH = 0

END IF

Picking Up Object

Picking up object (1-6)
IF GG0170P1[1] = 07 **OR** GG0170P1[1] = 09
OR GG0170P1[1] = 10 **OR** GG0170P1[1] = 88
OR GG0170P1[1] = '-'
THEN

   MOB_PICKUP_OBJ = MISSING

ELSE

   MOB_PICKUP_OBJ = VALUE(GG0170P1[1])

END IF

Picking up object (Not Attempted) (%)
IF GG0170P1[1] = 07 **OR** GG0170P1[1] = 09
OR GG0170P1[1] = 10 **OR** GG0170P1[1] = 88
THEN

   MOB_PICKUP_OBJ_NO_ATTEMPT = 1

ELSE

   MOB_PICKUP_OBJ_12_NO_ATTEMPT = 0

END IF

<u>Picking up object (Dash) (%)</u>
IF GG0170P1[1] = '‐'
THEN

      MOB_PICKUP_OBJ_DASH = 1
ELSE

      MOB_PICKUP_OBJ_DASH = 0
END IF

<u>Use of Wheelchair or Scooter</u>

<u>Wheelchair or scooter (%)</u>
IF GG0170Q1[1] = 1
THEN

      MOB_USE_WHLCHR_OR_SCOOTER = 1
ELSE

      MOB_USE_WHLCHR_OR_SCOOTER = 0
END IF

<u>Wheelchair or scooter (Dash) (%)</u>
IF GG0170Q1[1] = '‐'
THEN

      MOB_USE_WHLCHR_OR_SCOOTER_DASH = 1
ELSE

      MOB_USE_WHLCHR_OR_SCOOTER_DASH = 0
END IF

<u>Wheel 50 feet w 2 turns (1-6)</u>
IF MOB_USE_WHLCHR_OR_SCOOTER = 0
THEN

      MOB_WHLCHR_50FT_2TRNS = MISSING
ELSEIF GG0170R1[1] = 07
OR GG0170R1[1] = 09
OR GG0170R1[1] = 10
OR GG0170R1[1] = 88
OR GG0170R1[1] = '‐'
 THEN

      MOB_WHLCHR_50FT_2TRNS = MISSING
ELSE

      MOB_WHLCHR_50FT_2TRNS = VALUE(GG0170R1 [1])
END IF

Wheel 50 feet w 2 turns (Not Attempted) (%)
IF MOB_USE_WHLCHR_OR_SCOOTER = 1 **AND** (GG0170R1[1] = 07
OR GG0170R1[1] = 09
OR GG0170R1[1] = 10
OR GG0170R1[1] = 88)
THEN
    MOB_WHLCHR_50FT_2TRNS_NO_ATTEMPT = 1
ELSE
    MOB_WHLCHR_50FT_2TRNS_NO_ATTEMPT = 0
END IF

Wheel 50 feet w 2 turns (Dash) (%)
IF MOB_USE_WHLCHR_OR_SCOOTER = 1 **AND** GG0170R1[1] = '-'
THEN
    MOB_WHLCHR_50FT_2TRNS_DASH = 1
ELSE
    MOB_WHLCHR_50FT_2TRNS_DASH = 0
END IF

Wheel 150 feet (1-6)
IF MOB_USE_WHLCHR_OR_SCOOTER = 0
THEN
    MOB_WHLCHR_150FT = MISSING
ELSEIF GG0170S1[1] = 07
OR GG0170S1[1] = 09
OR GG0170S1[1] = 10
OR GG0170S1[1] = 88
OR GG0170S1[1] = '-'
THEN
    MOB_WHLCHR_150FT = MISSING
ELSE
    MOB_WHLCHR_150FT = VALUE(GG0170S1 [1])
END IF

Wheel 150 feet (Not Attempted) (%)
IF MOB_USE_WHLCHR_OR_SCOOTER = 1 AND
(GG0170S1[1] = 07
OR GG0170S1[1] = 09
OR GG0170S1[1] = 10
OR GG0170S1[1] = 88)

THEN
  MOB_WHLCHR_150FT_NO_ATTEMPT = 1
ELSE
  MOB_WHLCHR_150FT_NO_ATTEMPT = 0
END IF

Wheel 150 feet (Dash) (%)
IF MOB_USE_WHLCHR_OR_SCOOTER = 1 AND
GG0170S1[1] = '-'
THEN
  MOB_WHLCHR_150FT_DASH = 1
ELSE
  MOB_WHLCHR_150FT_DASH = 0
END IF

Health Conditions

Falls Risk

At risk for falls (%)
IF M1910_MLT_FCTR_FALL_RISK_ASMT[1] = 00
THEN
  FALL_RISK = MISSING
ELSEIF M1910_MLT_FCTR_FALL_RISK_ASMT[1] = 02
THEN
  FALL_RISK = 1
ELSE
  FALL_RISK = 0
END IF

Medication Status

Drug regimen: problem found (%)
IF (M2001_DRUG_RGMN_RVW[1] = '-' **OR** M2001_DRUG_RGMN_RVW[1] = 9)
THEN
  MED_PROBLEM = MISSING
ELSEIF M2001_DRUG_RGMN_RVW[1] = 1
THEN
  MED_PROBLEM = 1
ELSE

       MED_PROBLEM = 0
END IF

Mgmt oral medication at SOC/ROC (0-3)
IF M2020_CRNT_MGMT_ORAL_MDCTN[1] = NA
THEN
       ORAL_MEDS = MISSING
ELSE
       ORAL_MEDS = VALUE(M2020_CRNT_MGMT_ORAL_MDCTN[1])
END IF

Mgmt oral medication at SOC/ROC: NA(%)
IF M2020_CRNT_MGMT_ORAL_MDCTN[1] = NA
THEN
       ORAL_MED_NA = 1
ELSE
       ORAL_MED_NA = 0
END IF

Mgmt injected meds at SOC/ROC (0-3)
IF M2030_CRNT_MGMT_INJCTN_MDCTN[1] = NA
THEN
       INJECT_MEDS = MISSING
ELSE
       INJECT_MEDS = VALUE(M2030_CRNT_MGMT_INJCTN_MDCTN[1])
END IF

Mgmt injected meds at SOC/ROC: NA(%)
IF M2030_CRNT_MGMT_INJCTN_MDCTN[1] = NA
THEN
       INJECT_MED_NA = 1
ELSE
       INJECT_MED_NA = 0
END IF

Therapy/Plan of Care

<u>*Therapy Visits*</u>

<u># Therapy visits indicated (#)</u>
IF M2200_THER_NEED_NA_NUM[1] = 1
THEN
      THERAPY_NEED = MISSING
ELSE
      THERAPY_NEED =
      VALUE(M2200_THER_NEED_NBRM2200_THER_NEED_NBR[1])
END IF

Patient Diagnostic Information

<u>*Chronic Conditions*</u>

<u>Dependence in personal care (%)</u>
IF (VALUE(M1830_CRNT_BATHG [1]) > 2
    OR VALUE(M1840_CRNT_TOILTG[1]) > 2
    OR VALUE(M1845_CRNT_TOILTG_HYGN[1]) > 2
    OR (VALUE(M1800_CRNT_GROOMING[1]) > 1
    AND (VALUE(M1810_CRNT_DRESS_UPPER[1]) >1
    OR VALUE(M1820_CRNT_DRESS_LOWER[1]) >1)))
    AND (VALUE(GG0100A[1]) = 1 **OR** VALUE(GG0100A [1])=2)
THEN
    CHRONIC_PERS_CARE = 1
ELSE
    CHRONIC_PERS_CARE = 0
END IF

<u>Impaired ambulation/mobility (%)</u>
IF (VALUE(M1840_CRNT_TOILTG [1]) > 2
    OR VALUE(M1850_CRNT_TRNSFRNG) > 1
    OR VALUE(M1860_CRNT_AMBLTN [1]) > 1)
    AND (VALUE(GG0100B[1]) = 1 **OR** VALUE(GG0100B[1])= 2)
    THEN
    CHRONIC_MOBILITY = 1
ELSE
    CHRONIC_MOBILITY = 0
END IF

Dependence in med. admin. (%)
IF (ORAL_MEDS > 0 **OR** INJECT_MEDS > 0)
THEN
    CHRONIC_MED_ADMIN = 1
ELSE
    CHRONIC_MED_ADMIN = 0
END IF

Chronic pain (%)
    IF PAIN >2
    THEN
        CHRONIC_PAIN = 1
    ELSE
        CHRONIC_PAIN = 0
    END IF

Cognitive/mental/behavioral (%)
    IF(MEM_DEFICIT = 1 **OR** IMPR_DECISN = 1 **OR** VERBAL_DISRUPT = 1
        OR AGGRESSION = 1 **OR** INAPPRO_BHV = 1 **OR** DELUSIONS = 1)
    THEN
        CHRONIC_MENT_BEHAV = 1
    ELSE
        CHRONIC_MENT_BEHAV = 0
    ENDIF

Chronic pt. with caregiver (%)
IF (CHRONIC_PERS_CARE = 1
    OR CHRONIC_MOBILITY = 1 **OR** CHRONIC_MED_ADMIN = 1 **OR**
    CHRONIC_PAIN = 1 **OR** CHRONIC_MENT_BEHAV = 1)
    AND (AVAIL_RTC = 1 **OR** AVAIL_NIGHT = 1)
THEN
    CHRONIC_ANY_W_CG = 1
ELSE
    CHRONIC_ANY_W_CG = 0
END IF

Active Diagnoses

Diabetes Reported
IF M1028_ACTV_DIAG_DM[1] =1
THEN
    DIABETES_REPORTED = 1
ELSE

DIABETES_REPORTED =0
END IF

PAD/PVD Reported
IF M1028_ACTV_DIAG_PVD_PAD[1] =1
THEN
        PAD_PVD_REPORTED = 1
ELSE
        PAD_PVD_REPORTED =0
END IF

Home Care Diagnoses
Note: The following measures require calculation of several "intermediate" measures based on the raw OASIS data, which are then used to calculate the final measures for the patient characteristics report.

Only home care diagnoses with a severity rating greater than zero (asymptomatic) are used.

IF M1021_PRIMARY_DIAG_SEVERITY[1] = 00
THEN
  HC_DIAG1 = BLANK
  HC_DIAG2 = BLANK
  HC_DIAG3 = BLANK
  HC_DIAG4 = BLANK
  HC_DIAG5 = BLANK
  HC_DIAG6 = BLANK
ELSE
  HC_DIAG1 = M1021_PRIMARY_DIAG_ICD[1]
  IF M1023_OTH_DIAG1_SEVERITY[1] = 00
  THEN
    HC_DIAG2 = BLANK
  ELSE
  END IF
  IF M1023_OTH_DIAG2_SEVERITY[1] = 00
  THEN
    HC_DIAG3 = BLANK
  ELSE
    HC_DIAG3 = M1023_OTH_DIAG2_ICD[1]
  END IF

IF M1023_OTH_DIAG3_SEVERITY[1] = 00

THEN

   HC_DIAG4 = BLANK

ELSE

   HC_DIAG4 = M1023_OTH_DIAG3_ ICD [1]

END IF

IF M1023_OTH_DIAG4_SEVERITY[1] = 00

THEN

   HC_DIAG5 = BLANK

ELSE

   HC_DIAG5 = M1023_OTH_DIAG4_ICD[1]

END IF

IF M1023_OTH_DIAG5_SEVERITY[1] = 00

THEN

   HC_DIAG6 = BLANK

ELSE

   HC_DIAG6 = M1023_OTH_DIAG5_ICD[1]

END IF

END IF

Infections/parasitic diseases (%)

IF   (HC_DIAG1 >= "A00" and HC_DIAG1 <= "B99") OR

      (HC_DIAG2 >= "A00" and HC_DIAG2<= "B99") OR

      (HC_DIAG3 >= "A00" and HC_DIAG3 <= "B99") OR

      (HC_DIAG4 >= "A00" and HC_DIAG4 <= "B99") OR

      (HC_DIAG5 >= "A00" and HC_DIAG5 <= "B99") OR

      (HC_DIAG6 >= "A00" and HC_DIAG6 <= "B99")

THEN

      HC_DX_INFECT = 1

ELSE

      HC_DX_INFECT = 0

END IF

Neoplasms (%)

IF   (HC_DIAG1 >= "C00" and HC_DIAG1 <= "D49") OR

      (HC_DIAG2 >= "C00" and HC_DIAG2 <= "D49") OR

      (HC_DIAG3 >= "C00" and HC_DIAG3 <= "D49") OR

      (HC_DIAG4 >= "C00" and HC_DIAG4 <= "D49") OR

      (HC_DIAG5 >= "C00" and HC_DIAG5 <= "D49") OR

      (HC_DIAG6 >= "C00" and HC_DIAG6 <= "D49")

THEN

 HC_DX_NEOPLASM = 1

ELSE

 HC_DX_NEOPLASM = 0

END IF

Endocrine/nutrit./metabolic (%)

IF (HC_DIAG1 >= "E00" and HC_DIAG1 <= "E89") OR

  (HC_DIAG2 >= "E00" and HC_DIAG2 <= "E89") OR

  (HC_DIAG3 >= "E00" and HC_DIAG3 <= "E89") OR

  (HC_DIAG4 >= "E00" and HC_DIAG4 <= "E89") OR

  (HC_DIAG5 >= "E00" and HC_DIAG5 <= "E89") OR

  (HC_DIAG6 >= "E00" and HC_DIAG6 <= "E89")

THEN

 HC_DX_ENDOCRINE = 1

ELSE

 HC_DX_ENDOCRINE = 0

END IF

Blood diseases (%)

IF (HC_DIAG1 >= "D50" and HC_DIAG1 <= "D89") OR

  (HC_DIAG2 >= "D50" and HC_DIAG2<= "D89") OR

  (HC_DIAG3 >= "D50" and HC_DIAG3 <= "D89") OR

  (HC_DIAG4 >= "D50" and HC_DIAG4 <= "D89") OR

  (HC_DIAG5 >= "D50" and HC_DIAG5 <= "D89") OR

  (HC_DIAG6 >= "D50" and HC_DIAG6 <= "D89")

THEN

 HC_DX_BLOOD = 1

ELSE

 HC_DX_BLOOD = 0

END IF

Mental diseases (%)

IF (HC_DIAG1 >= "F01" and HC_DIAG1 <= "F99") OR

  (HC_DIAG2 >= "F01" and HC_DIAG2 <= "F99") OR

  (HC_DIAG3 >= "F01" and HC_DIAG3 <= "F99") OR

  (HC_DIAG4 >= "F01" and HC_DIAG4 <= "F99") OR

  (HC_DIAG5 >= "F01" and HC_DIAG5 <= "F99") OR

  (HC_DIAG6 >= "F01" and HC_DIAG6 <= "F99")

THEN

HC_DX_MENTAL = 1

ELSE

HC_DX_MENTAL = 0

END IF

Nervous system diseases (%)

IF (HC_DIAG1 >= "G00" and HC_DIAG1 <= "G99") OR

(HC_DIAG2 >= "G00" and HC_DIAG2 <= "G99") OR

(HC_DIAG3 >= "G00" and HC_DIAG3 <= "G99") OR

(HC_DIAG4 >= "G00" and HC_DIAG4 <= "G99") OR

(HC_DIAG5 >= "G00" and HC_DIAG5 <= "G99") OR

(HC_DIAG6 >= "G00" and HC_DIAG6 <= "G99")

THEN

HC_DX_NERVOUS = 1

ELSE

HC_DX_NERVOUS = 0

END IF

Diseases of the eye (%)

IF (HC_DIAG1 >= "H00" and HC_DIAG1 <= "H59") OR

(HC_DIAG2 >= "H00" and HC_DIAG2 <= "H59") OR

(HC_DIAG3 >= "H00" and HC_DIAG3 <= "H59") OR

(HC_DIAG4 >= "H00" and HC_DIAG4 <= "H59") OR

(HC_DIAG5 >= "H00" and HC_DIAG5 <= "H59") OR

(HC_DIAG6 >= "H00" and HC_DIAG6 <= "H59")

THEN

HC_DX_EYE= 1

ELSE

HC_DX_EYE = 0

END IF

Diseases of the ear (%)

IF (HC_DIAG1 >= "H60" and HC_DIAG1 <= "H95") OR

(HC_DIAG2 >= "H60" and HC_DIAG2 <= "H95") OR

(HC_DIAG3 >= "H60" and HC_DIAG3 <= "H95") OR

(HC_DIAG4 >= "H60" and HC_DIAG4 <= "H95") OR

(HC_DIAG5 >= "H60" and HC_DIAG5 <= "H95") OR

(HC_DIAG6 >= "H60" and HC_DIAG6 <= "H95")

THEN

HC_DX_EAR = 1

ELSE

     HC_DX_EAR = 0

END IF

Circulatory system diseases (%)

IF   (HC_DIAG1 >= "I00" and HC_DIAG1 <= "I99") OR

     (HC_DIAG2 >= "I00" and HC_DIAG2 <= "I99") OR

     (HC_DIAG3 >= "I00" and HC_DIAG3 <= "I99") OR

     (HC_DIAG4 >= "I00" and HC_DIAG4 <= "I99") OR

     (HC_DIAG5 >= "I00" and HC_DIAG5 <= "I99") OR

     (HC_DIAG6 >= "I00" and HC_DIAG6 <= "I99")

THEN

     HC_DX_CIRCULATORY = 1

ELSE

     HC_DX_CIRCULATORY = 0

END IF

Respiratory system diseases (%)

IF   (HC_DIAG1 >= "J00" and HC_DIAG1 <= "J99") OR

     (HC_DIAG2 >= "J00" and HC_DIAG2 <= "J99") OR

     (HC_DIAG3 >= "J00" and HC_DIAG3 <= "J99") OR

     (HC_DIAG4 >= "J00" and HC_DIAG4 <= "J99") OR

     (HC_DIAG5 >= "J00" and HC_DIAG5 <= "J99") OR

     (HC_DIAG6 >= "J00" and HC_DIAG6 <= "J99")

THEN

     HC_DX_RESPIRATORY = 1

ELSE

     HC_DX_RESPIRATORY = 0

END IF

Digestive system diseases (%)

IF   (HC_DIAG1 >= "K00" and HC_DIAG1 <= "K95") OR

     (HC_DIAG2 >= "K00" and HC_DIAG2 <= "K95") OR

     (HC_DIAG3 >= "K00" and HC_DIAG3 <= "K95") OR

     (HC_DIAG4 >= "K00" and HC_DIAG4 <= "K95") OR

     (HC_DIAG5 >= "K00" and HC_DIAG5 <= "K95") OR

     (HC_DIAG6 >= "K00" and HC_DIAG6 <= "K95")

THEN

     HC_DX_DIGESTIVE = 1

ELSE

      HC_DX_DIGESTIVE = 0

END IF

Skin/subcutaneous diseases (%)

IF(HC_DIAG1 >= "L00" and HC_DIAG1 <= "L99") OR
    (HC_DIAG2 >= "L00" and HC_DIAG2 <= "L99") OR
    (HC_DIAG3 >= "L00" and HC_DIAG3 <= "L99") OR
    (HC_DIAG4 >= "L00" and HC_DIAG4 <= "L99") OR
    (HC_DIAG5 >= "L00" and HC_DIAG5 <= "L99") OR
    (HC_DIAG6 >= "L00" and HC_DIAG6 <= "L99")

THEN
    HC_DX_SKIN = 1

ELSE
    HC_DX_SKIN=0

END IF

Musculoskeletal sys. diseases (%)

IF   (HC_DIAG1 >= "M00" and HC_DIAG1 <= "M99") OR
    (HC_DIAG2 >= "M00" and HC_DIAG2 <= "M99") OR
    (HC_DIAG3 >= "M00" and HC_DIAG3 <= "M99") OR
    (HC_DIAG4 >= "M00" and HC_DIAG4 <= "M99") OR
    (HC_DIAG5 >= "M00" and HC_DIAG5 <= "M99") OR
    (HC_DIAG6 >= "M00" and HC_DIAG6 <= "M99")

THEN
    HC_DX_MUSCL_SKEL = 1

ELSE
    HC_DX_ MUSCL_SKEL =0

END IF

Genitourinary diseases (%)

IF   (HC_DIAG1 >= "N00" and HC_DIAG1 <= "N99") OR
    (HC_DIAG2 >= "N00" and HC_DIAG2 <= "N99") OR
    (HC_DIAG3 >= "N00" and HC_DIAG3 <= "N99") OR
    (HC_DIAG4 >= "N00" and HC_DIAG4 <= "N99") OR
    (HC_DIAG5 >= "N00" and HC_DIAG5 <= "N99") OR
    (HC_DIAG6 >= "N00" and HC_DIAG6 <= "N99")

THEN
    HC_DX_GEN_URINARY= 1

ELSE

HC_DX_GEN_URINARY =0
END IF

Symptoms, signs, abnormal findings (%)
IF   (HC_DIAG1 >= "R00" and HC_DIAG1 <= "R99") OR
       (HC_DIAG2 >= "R00" and HC_DIAG2 <= "R99") OR
       (HC_DIAG3 >= "R00" and HC_DIAG3 <= "R99") OR
       (HC_DIAG4 >= "R00" and HC_DIAG4 <= "R99") OR
       (HC_DIAG5 >= "R00" and HC_DIAG5 <= "R99") OR
       (HC_DIAG6 >= "R00" and HC_DIAG6 <= "R99")
THEN
       HC_DX_INT_ABNORM = 1
ELSE
       HC_DX_INT_ ABNORM =0

Injury, poisoning, other external causes (%)
IF   (HC_DIAG1 >= "S00" and HC_DIAG1 <= "T88") OR
       (HC_DIAG2 >= "S00" and HC_DIAG2 <= "T88") OR
       (HC_DIAG3 >= "S00" and HC_DIAG3 <= "T88") OR
       (HC_DIAG4 >= "S00" and HC_DIAG4 <= "T88") OR
       (HC_DIAG5 >= "S00" and HC_DIAG5 <= "T88") OR
       (HC_DIAG6 >= "S00" and HC_DIAG6 <= "T88")
THEN
       HC_DX_EXT_INJURY = 1
ELSE
       HC_DX_EXT_INJURY =0
END IF

External causes of morbidity (%)
IF   (HC_DIAG1 >= "V00" and HC_DIAG1 <= "Y99") OR
       (HC_DIAG2 >= "V00" and HC_DIAG2 <= "Y99") OR
       (HC_DIAG3 >= "V00" and HC_DIAG3 <= "Y99") OR
       (HC_DIAG4 >= "V00" and HC_DIAG4 <= "Y99") OR
       (HC_DIAG5 >= "V00" and HC_DIAG5 <= "Y99") OR
       (HC_DIAG6 >= "V00" and HC_DIAG6 <= "Y99")
THEN
       HC_DX_EXT_MORB = 1
ELSE
       HC_DX_EXT_MORB=0
END IF

Influences of health status (%)
IF   (HC_DIAG1 >= "Z00" and HC_DIAG1 <= "Z99") OR
     (HC_DIAG2 >= "Z00" and HC_DIAG2 <= "Z99") OR
     (HC_DIAG3 >= "Z00" and HC_DIAG3 <= "Z99") OR
     (HC_DIAG4 >= "Z00" and HC_DIAG4 <= "Z99") OR
     (HC_DIAG5 >= "Z00" and HC_DIAG5 <= "Z99") OR
     (HC_DIAG6 >= "Z00" and HC_DIAG6 <= "Z99")
THEN
     HC_DX_HLTH_FACTORS = 1
ELSE
     HC_DX_HLTH_FACTORS=0
END IF

Patient Discharge Information

Length of Stay (LOS)

LOS until discharge (in days)
IF M0100_ASSMT_REASON[1] = 01
THEN
     HC_LOS = (M0906_DC_TRAN_DTH_DT[2] – M0030_START_CARE_DT) +1
ELSE IF M0100_ASSMT_REASON[1] = 03
THEN
     HC_LOS = (M0906_DC_TRAN_DTH_DT[2] – M0032_ROC_DT) +1
END IF

LOS from 1 to 30 days (%)
IF HC_LOS <= 30
THEN
     HC_LOS_1_30 = 1
ELSE
     HC_LOS_1_30 = 0
END IF

LOS from 31 to 60 days (%)
IF HC_LOS > 30 **AND** HC_LOS <= 60
THEN
     HC_LOS_31_60 = 1
ELSE
     HC_LOS_31_60 = 0

END IF

LOS from 61 to 120 days (%)
IF HC_LOS > 60 **AND** HC_LOS **<=** 120
THEN
    HC_LOS_61_120 = 1
ELSE
    HC_LOS_31_120 = 0
END IF

LOS from 121 to 180 days (%)
IF HC_LOS > 120 **AND** HC_LOS **<=** 180
THEN
    HC_LOS_121_180 = 1
ELSE
    HC_LOS_121_180 = 0
END IF

LOS more than 180 days (%)
IF HC_LOS > 180
THEN
    HC_LOS_GT_180 = 1
ELSE
    HC_LOS_GT_180 = 0
END IF

Falls

Any falls since SOC/ROC (%)
IF J1800 [2] = 01
THEN
    ANY_FALLS = 1
IF J1800 [2] = 00
THEN
    ANY_FALLS = 0
ELSE
    ANY_FALLS = MISSING

Falls with no injury (%)
IF ANY_FALLS = 0
THEN

FALLS_NOINJ = 0

ELSEIF J1900A [2] = 01 **OR** J1900A [2] = 02

THEN

FALLS_NOINJ = 1

ELSE

FALLS_NOINJ = MISSING

ENDIF

Falls with injury (except major) (%)

IF ANY_FALLS = 0

THEN

FALLS_W_INJ_NOMJR = 0

ELSEIF J1900B [2] = 01

OR J1900B [2] = 02

THEN

FALLS_W_INJ_NOMJR = 1

ELSE

FALLS_W_INJ_NOMJR = MISSING

ENDIF

Falls with major injury (%)

IF ANY_FALLS = 0

THEN

FALLS_W_INJ_MJR = 0

ELSEIF J1900C [2] = 01

OR J1900C [2] = 02

THEN

FALLS_W_INJ_MJR = 1

ELSE

FALLS_W_INJ_MJR = MISSING

ENDIF

Reason for Emergent Care

Improper medications (%)

IF M2301_EMER_USE_AFTR_LAST_ASMT[2] = UK

THEN

EC_REASON_MEDS = MISSING

ELSEIF (M2301_EMER_USE_AFTR_LAST_ASMT[2] = 01 **OR**

M2301_EMER_USE_AFTR_LAST_ASMT[2] = 02)

THEN

    IF M2310_ECR_UNKNOWN[2] = 1

    THEN

        EC_REASON_MEDS = MISSING

    ELSEIF M2310_ECR_MEDICATION[2] = 1

    THEN

        EC_REASON_MEDS = 1

    ELSE

        EC_REASON_MEDS = 0

    END IF

ELSE

    EC_REASON_MEDS = MISSING

END IF

Hypo/Hyperglycemia (%)

IF M2301_EMER_USE_AFTR_LAST_ASMT[2] = UK

THEN

    EC_REASON_HI_LO_BG = MISSING

ELSEIF (M2301_EMER_USE_AFTR_LAST_ASMT[2] = 01 **OR**

    M2301_EMER_USE_AFTR_LAST_ASMT[2] = 02)

THEN

    IF M2310_ECR_UNKNOWN[2] = 1

    THEN

        EC_REASON_HI_LO_BG = MISSING

    ELSEIF M2310_ECR_HYPOGLYC[2] = 1

    THEN

        EC_REASON_HI_LO_BG = 1

    ELSE

        EC_REASON_HI_LO_BG = 0

    END IF

ELSE

    EC_REASON_HI_LO_BG = MISSING

END IF

Other (%)

IF M2301_EMER_USE_AFTR_LAST_ASMT[2] = UK

THEN

    EC_REASON_OTHER = MISSING

ELSEIF (M2301_EMER_USE_AFTR_LAST_ASMT[2] = 01 **OR**

    M2301_EMER_USE_AFTR_LAST_ASMT[2] = 02)

THEN

    IF M2310_ECR_UNKNOWN[2] = 1

    THEN

        EC_REASON_OTHER = MISSING

    ELSEIF M2310_ECR_OTHER[2] = 1

    THEN

        EC_REASON_OTHER = 1

    ELSE

        EC_REASON_OTHER = 0

    END IF

ELSE

    EC_REASON_OTHER = MISSING

END IF

<u>No emergent care (%)</u>

IF M2301_EMER_USE_AFTR_LAST_ASMT[2] = UK **OR** M0100_ASSMT_REASON[2] =
    08

THEN

    NO_EMERGENT_CARE = MISSING

ELSEIF M2301_EMER_USE_AFTR_LAST_ASMT[2] = 00

THEN

    NO_EMERGENT_CARE = 1

ELSE

    NO_EMERGENT_CARE = 0

END IF